

ABSTRACT OF THE DISCLOSURE

A composition of material used for making hfMLCIs having a sintering temperature below 1000°. The composition comprises a major component and a minor component, said major component being a general formula: $\text{Ba}_3\text{Co}_{2-x-y}\text{Zn}_x\text{Cu}_y\text{Mn}_x\text{Fe}_{24-z-w}\text{O}_{41}$, wherein $x, z, w, = 0 - 1.0$ and $y = 0 - 0.8$, and said minor component comprising at least one compound selected from the group of $\text{Bi}_2\text{O}_3, \text{V}_2\text{O}_5, \text{PbO}, \text{B}_2\text{O}_3, \text{LiF}$ and CaF_2 . HfMLCIs made from the composition of the present invention are capable of functioning in the frequency region of 300-800 MHz.

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